

Title (en)  
COMMUNICATION DEVICE AND COMMUNICATION METHOD

Title (de)  
KOMMUNIKATIONSVORRICHTUNG UND KOMMUNIKATIONSVERFAHREN

Title (fr)  
DISPOSITIF DE COMMUNICATION, ET PROCÉDÉ DE COMMUNICATION

Publication  
**EP 3322216 A4 20190227 (EN)**

Application  
**EP 16821078 A 20160415**

Priority

- JP 2015135956 A 20150707
- JP 2016062163 W 20160415

Abstract (en)  
[origin: EP3322216A1] [Object] To provide a communication device and a communication method which are capable of achieving both an improvement in reliability of communication in which a frame is transmitted to a plurality of destinations and effective use of wireless communication resources. [Solution] The communication device includes: a communication unit configured to perform communication of a frame. The communication unit transmits a transmission acknowledgment request frame for a transmission acknowledgment response frame including frequency allocation information specifying a transmission frequency of the transmission acknowledgment response frame, and receives the transmission acknowledgment response frame which has undergone frequency division multiplexing, on the basis of the frequency allocation information.

IPC 8 full level  
**H04W 28/04** (2009.01); **H04L 1/16** (2006.01); **H04L 1/18** (2006.01); **H04L 5/00** (2006.01); **H04W 72/04** (2009.01)

CPC (source: CN EP KR US)  
**H04L 1/1685** (2013.01 - EP US); **H04L 1/1864** (2013.01 - EP US); **H04L 5/0055** (2013.01 - CN EP US); **H04L 5/0094** (2013.01 - EP US); **H04L 12/1872** (2013.01 - EP US); **H04L 12/1886** (2013.01 - EP US); **H04L 12/189** (2013.01 - US); **H04W 4/06** (2013.01 - CN); **H04W 28/04** (2013.01 - KR US); **H04W 28/06** (2013.01 - KR); **H04W 72/04** (2013.01 - US); **H04W 72/0453** (2013.01 - KR); **H04L 5/001** (2013.01 - EP US); **H04L 5/0023** (2013.01 - EP US); **H04L 12/189** (2013.01 - EP); **H04L 2012/5642** (2013.01 - EP US); **Y02D 30/70** (2020.08 - EP)

Citation (search report)

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- [E] WO 2016174904 A1 20161103 - SONY CORP [JP] & US 2018115403 A1 20180426 - SAKAI EISUKE [JP], et al
- See also references of WO 2017006607A1

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3322216 A1 20180516; EP 3322216 A4 20190227; EP 3322216 B1 20201202**; CA 2985322 A1 20170112; CA 2985322 C 20230822; CN 107710814 A 20180216; CN 107710814 B 20210910; CN 113676307 A 20211119; CN 113676307 B 20240709; CN 113676308 A 20211119; CN 113676308 B 20240412; EP 3806533 A1 20210414; EP 3806533 B1 20230104; EP 4171111 A1 20230426; EP 4171111 B1 20240612; EP 4412159 A2 20240807; JP 6834954 B2 20210224; JP WO2017006607 A1 20180419; KR 102554560 B1 20230713; KR 20180027426 A 20180314; MY 182873 A 20210205; PH 12018500032 A1 20180709; US 10361876 B2 20190723; US 10887121 B2 20210105; US 11362850 B2 20220614; US 11799681 B2 20231024; US 12068878 B2 20240820; US 2018115433 A1 20180426; US 2019288864 A1 20190919; US 2021119818 A1 20210422; US 2022294657 A1 20220915; US 2023291596 A1 20230914; WO 2017006607 A1 20170112

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**EP 16821078 A 20160415**; CA 2985322 A 20160415; CN 201680038557 A 20160415; CN 202110971491 A 20160415; CN 202110971940 A 20160415; EP 20211056 A 20160415; EP 22213712 A 20160415; EP 24171336 A 20160415; JP 2016062163 W 20160415; JP 2017527100 A 20160415; KR 20177035577 A 20160415; MY PI2017704233 A 20160415; PH 12018500032 A 20180103; US 201615568860 A 20160415; US 201916429164 A 20190603; US 202017137378 A 20201230; US 202217752882 A 20220525; US 202318198847 A 20230518